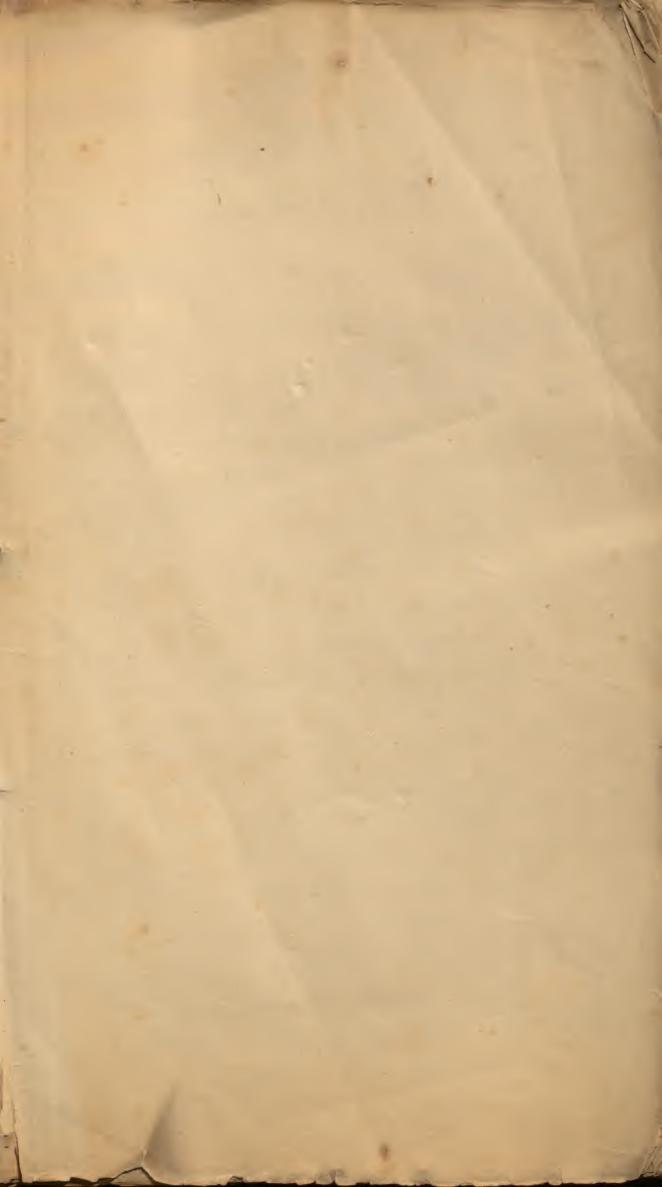
an Mr 6 CAMMY Rescripshive Lundrufseds Brilish North America, Their Generic; and Specific, -Characters, modes of life, and The uses to which they canbe applied -(By Marles Fothergill Boga) a patient pursuit of facts, and "a cautious combination and " comparison of them, is the dent " e gory to whech man is subjusted by his Marker , if he wishes to attain since Know 1830.



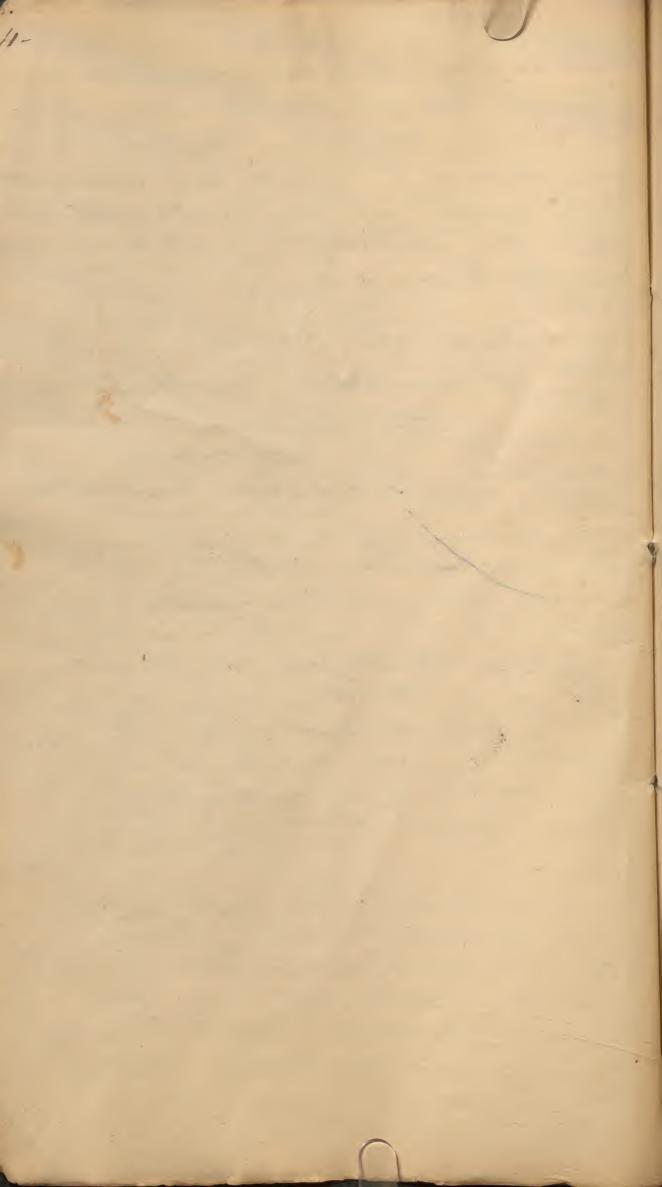




In the Members of this Maturial Mistary Society Montreal Genflemen Conformable to finbling notice, I have given the till proposed by your facily, to shis To fortage, although more comprehensive forthage, the her the contents of the found to following for ages will be found to firstiff To forform all that is implied by the title month re - quire, in det, a much more de : rious labour than it is at present in my former to bestown; in and, I should have preferred the less surfamille cagnomin of " I De surfamille batalogue of the Lucaca " how ever, such as it is I have great pleasure in laxing This oflay before the Sacrity. not so much from the hope of approval, as for the opportunity it gives me of congrabulating the Members upon their institution

and the progress they have abready made towards elucidating the Natural Kindowy of a Coroley as yet but little known to the natural philosophers and literali of Europe When I state that from infancy I have been strongly attacked to the pursuit which are now so liberally und effectually fastered by your Society; thirty reary engaged in clearing up outful points in The Natural Mistory 1 The Brilish Empire; and, further, that it wear chiefly with this viewe I came to the Canadas, as an ex tensive and importants part of that great and goverious dominion -; its mag be readily imagined how de lighter I was to find that such a society me as farmed on If I have hun backward in hailing its instibefore this time, I can only plead the mant of leisure and opportunity, and a diffidence as to what in my former might be most accepted ble I my first but, should it be approved, I hope not my last, offer ing; and, in the earnest hope to that the Society mile flourish to the whost extent of all our wishes and be the meany of discovering

and bringing to light some of the in-- mune treasures of Nature, in all her three King down, animal, Veretable and Mineral, which are undoubtetly to be found in her great store, house upon this continent - and particularly in the Canadas have the honor To Jules cribe mys elf and must abedient humble sent The author Entario Cottago hoby 1. 1830



Preliminary Remarks British North america, in its most ex lended limits, from the eastern shows of Newfoundland and Labrador on the attantic, to the Columbia River on the Pacific; and, from the Point of Pelce on Lake Eric to the Solar Seas; is more extensive than all Europe; and, as it contains wary description of soil and scenery, if not of climate; - with it woods and mountains; - its vallies and plains, - weeks, seas, lakes, and rivers innumerable. So vast a region may be readily supposed adequate to the subjectence of a great variety of living creatures; and, to enumeral as many Qual rupeds as are to be found in either of The more autient and better Known quarters of the to civilized man, time and further observation and experiment must determine: - the fur - yielding ani mals, the Sable alone, for habo. excepted, are unquestionably super ior; and those have given reise to an extensive and very lucrative be and of commune - I Know not, indeed, that we ought to an - cept the Sable, since our shores and largue rivers on the Pacific give up the Sea Offer, whose fur excuels in fineness, richness, and costlings, that of all others ~

as I do not understand it to have bun within the intention of the Society to treat of Catinet animals, or of those supposed to be extinct, in the Essay for which the honorary medal has been proposed - I have not included Them in the following catalogue, al. - Though there are many relators for supposing that some of the animals attributed by Cuvier, and others, to a former world, exist in the nouthern, on nouth mestern, and unexplored he gious of this continent of these the Mammoth, and Great Elki of The antideluvian World, are The most interesting, and whose actual existence all enthusiasts in the pursuits of Na. tweat Mylory are still unwilling wholly to dishelieve : _ sand, as these subjects may hereafter occupy the attention of the Society in a manner The most satisfactory - I may be excused for hinting, on the present accasion at the most likely region in the however world for succepful results to such an inquiry; and, that re - gion is undoubtedly our north-western territory on this continent in; a region much less known Than are The norther parts of Europe and asia which have her hitherto conjectived as the scenes whose Those stupendous creatures moved, when in lefe, and where their Mkelelous, some of Them clothed with flesh, and were with hair, have bur found in

Indian traditions and rumours are get strong and lively as to the actual existence of the Mammoth; though it must be confessed some of The supposed strongest indications have been found to originate from another cause; these are the enoumously large tracks some times observed on the partially frozen surface of the snow, far away in the north - west, towards the Rocky Mountains, and which are now Known to be occasioned by The Griz - 7 by Bear - whose foot is very large not unfrequently being found meally twelve inches long, by nine or ten inches wide or Mhen this huge and perocious animal treads on The glass surface of the partially frozen I how or ice, that is incapable of sustain ing his weight - he breaks down the surrounding incrugtation to a comiderable extent leaving an inspression quite sufficient to induce the Supposition that are animal of much larger bulk had passed that way - Thise treacks heave frequently been alleiberted to the Man - moth by our Indians of the in - terior, who have, however, many other proofs to adduce for the existence of that wast quadruped . It is not long since, indud, that a letter (dales pravie du Chien, and which was bublished in many of the american very papers, actually announced his appearance not far from a stream called New wood- Niver, which empties into It. Peters -

I rom the gentlemen consulted with the Mudson's Bay, and North west, con - pany - resident in Montreal; and, by holding out Those facilities, rumared, of the Society to bestow, much light may be Thrown upon these, at present, Oark but highly interesting subjects; - and , should the Society , were after a long series of years godo nothing more than give to Zoology, the living Mannoth, and the Autidi-living Mannoth, and the Autidi-luvian Elk, and perhaps the huge Megatherium; - and to Agreculture, Manufactures, and Commune The do mesticated. Bison, and Big-hornie Shup of the Rocky Mountains - all of which the two last being quite practicable) it may be popible, for aught That is known, to do; __ should the Society, I say, accomplish these things, alone, it would be rendered justly far mous throughout The water ... not as harmed to confife that to search for it was one of my objects in visible this partion of our empire, being satisfied that it is here me have the hest chance the hest chance of discovering it in a living state. The fossil, and chiefly in the bogs of Ireland though it has been occasionally dug ups int England, France, and Germany; and, during my sofownment in the Isle of Man, I has the good fortune to see a very perfect specimen that was dis covora in a marle fit mar Kirk Michael in that Island - at first the

the head only appeared, but afterwared The entire I Keleton, Though in detached part, was found; and, in such a position as to show that the animal had berished in the act of swimming . This opecing mas to fine and perfect, and, compar - aturely so recent, as to be scarcely fossilized - if it whell and having made an exact Coming, with the me as wrements of its warrious parts, and as the figure given in the Philosophi cal Transactions, and even that which is engraven in the splendid work of 6 wier, as well as every other reprethat I have seen, is extremely in accurate; and, as it may facilitate any future designs which the Society of may entertain lowards a discovery of the living specimen. I be leave to fire south the living specimen with a penil skip taken from my reawing, although its taken from my reawing, although its is to be engreaven for my "Memoirs of the Natural History of the British Empire" now preparing for the brugs.
The skitch is sufficiently accumulate and will accompany this Spay- Larger of them to the extent of fourteen feet from tipo to lip, be hour the horns, have been discovered in Ireland, (see Wright Louthiana) but I have netter Deen, nor heard, of any more perfect than those of which I now said the Oraning In a work that was published towards the latter end of the 17th conting (the exact aute I forget, having lost my copy, but I think it was the year. with wooding cuts for and entitled "New" Englande Racities " a species of Deer is described as inhabiting the eastern States of what is now the Union, that was twelve feet high! - If so suport an arrival ever had excistence in The New England States me are at least not far from The country where we ought to look for it, and we must allow that it is only are animal of some such dimen : rious that could be able to support horns of so great a magnitude as Those now alluded to - hours that might sweets the entire breadth of a It is true the eminent Curier tells us - " There is very little chance indeed of our ever finding alive those which have only bun seen in a fopil state " (ou his Theory of the Barth); and Profesor famile = son, his comment ator, further says of the wast Elk me are alluding to, "it is most certainly _ "it is most certainly a different spe cies from any of those that at present live on the earth's surface, and may Therefore be considered as extinct But I say let "nit desperand um" be our motto - We ought not get to de spain seing this superb berows in propria persona - Wright says They were destroyed in Ireland, by a "pestitudial mu = rain - " but he gives us no proofs - and a similar cause has been adduced for their extermination in Lapland - We

He Know, indeed, that all Dear are subject to a contagious disarder which has been termed a murrain, and the deer in question may have been so cut off in Europe - but it does not follow that The whole race has been so extermina ted in america; and if there is any buth in the existence of the uncomments large Deer of " New Englands' Marities" or in that mentioned in Charlevoix's "diverting tradition" as he calls it free p. 199. vol: 1- of his work on banada) which is described as being to Great an Elk, that in comparison with him all others are "as pis mires"-then may be taken as onggestions of the ac tual existence of an enormous Decr upon this continent too imposing, in conjunction with other pacts, to be haste Cy relinquished - especially as Indian reports and traditions are Teldom without tome truth for their foundation - The meanest approach in sign, perhaps, to
the animal looked for, is the Wapiti
Over of this Copay - which, at first sight, I really thought was the long sought Elk of Ireland - particularly as the specimens I saw, although stile very zoung, had gained the height a propartionable length - giving the mag nitude, stringth, and appearance of or dinarily sized horses - They had great mus cular power, and were quite deapable of wielding horns of une : sual magnitude Something must now be said ofthe classification, order, and arrangement adopter

12. adopted in this tittle work. Buffor was aft to ridicule his celebrated and more d'eientific rival, Linnaue, fair what he Thought was too close an adherence to artituding rentes and distinctions, in the veience which has been so essentially advanced by their respective laboures; and, as being always per antic, and some times rediculous . But, notwithest and ing the consure of the eloquent naturalist of Frame the world has done ample justice to the accurate Iwede, whose minist stand on a found ation as durable as will be that of all liberature and science -Neither of these eminent men, how fault; many of which have bun pointe out from time to time by other naturalist who have improved on their systems - To say nothing of May, our country man, who precieded them, and whose murit was very great me have had our Termant, whose destribution of Luadrupeds, in parte - cular, I think greatly preferable to the hund, therefore, for the greater part sursend his method by adopting his four divisions of hoofed, digitated sinnated, und minged quadrubeds Enumer alion Those that are 1. Harse 2. Asc. 3. Sheep either whole hooled, or that are cloven 4. Goat fooled is but the Horse only has 5. anticope, or Staga hook of one 6. Hog entire bice-

Generic Emmunation Those which have 209 7. fut divived into P. 6 at toes, and are classed Bear 9. in sections according to their Oifferent for Badger 10. = mations and pro & Op of um 11. : pensities : - those that treased are rapacious have 12. 6 ar more culting leath Offer. 13 in each jaw, with large from them; _ and Have 14 Beaver 1 15 those that are herbi vorous, or frug ivorous, Parent in 111 and which have no ca Marmot 17. nine tette - and only 2 Ly wirel cutting teeth in each 100 Serboa 19 jano m Stat 20 . Threw 21. Mole 22. Medgehog 23 24 - Walnus Or Sinnated, living chiefly in water, 25 - Seal and praying partly on fish, and partly on herbage IV. 26 - Bat Hinged, or the connecting link between qualen - pe de an livido -

I have taken the above twenty - six genera to illustrate the four divisions because They are all found in the Br = tish dominions on this continent - for much of the Linnaan method, as af feared indispensable, is also adopted in the following to a get the but no more for, as all manning to louch on the condition of the human aboriging of our Canadian forests, in this Epay (which is confined to great rupeds), I may him can order propriety, reject the first kinn can in this rejection I have much so - tisfaction a because I um of opinion no men, and bats, and whales, in the same order, merely because They are as infancy ; and, multideners. As the natural in organic resemblancy. As the natural in legitimate lords of creation we can have no objection to stand first on the list of animated beings; but, whilst There are elephants, and horses, and many other creatures highly gifted, as to their intellect - wal capacities, and general unfulnifs, and importance, in The scale of creation - it seems prepartirous to give a flying mouse, or a fish, (no matter how large), The same rank with our selves in I have therefore placed the Bats where I think They ought to be und, with the Cetacea, we have nothing to do in this of ay f the illustrious I wede ; if, indeed, everor, they can be termed - they are not to be compared

with those fallen into by The fanciful, but cloquent, Fremchman throughout his celebrated work ; but no where more conspicuously, Than in his comparison of animals common to both continents of the old and new world: In his differentiation whom this subject, which differentiation with afections as unscientific as They are remote from truth, he say, that all animaly transported from Europe to america, including those that are do force nature, immediately become small les and otherwise degenerate - surning up with these singularly vague and untrue, yet dog what periodi ~ * "he this New World, Therefore, There " is some combination of element, and " other physical causes, something that opposed The amplification of animated " Nature: There are obstactes to the " developement, and perhaps to the form = ation of large germy. Even those wh " - ich, from the Kindlier influences of " and ther climate, have acquired their " compleat form and expansion, shrink name "and diminish under a niggardly sky " with mandering vavages, who, instead " of wing this territory as a master, has been countryma " had no property or empire; and having " subjected mither the arimals now " The elements, nor conquered The seas, " nor direction the motions of rivers, nor "cultivated the earth, held only the "first rank among animated beings "first rank among animated beings " and existed as creatures of no consider "ation in Nature, a Kind of weak " automatory, incapable of improving

or seconding her intentions. The treated them "like a step mother rather Than a parent, " by deriging them the innigoreating sentiment " of love, and the strong desire of multiplying " their species -" de the strong desire of multiplying tipue of absurdition -) and Then again, "Henre man makes no exception to what has been advanced. Nature, by derrying " him the faculty of love, has aberred and contracted him more Than any other animal. But before excurring the carries of this general effect, it must be allowed, that if Nature has dime. " night all the quad receptor in The New " Wart, she seems to have cherished "The rep tile and inlarged The inject tribes; on de der " One more specimen and I have Done with Buffori famous Deportation on the animals common to both continuet, at least for the present In these melancholy regions (of North america) nature remains conceated " exhibits herself in fresh attive; being "neither cherished nor cultivated by " man, she never opens her fruitful " and beneficent womb. Here The " earth sure saw her surface adarned " with Those rich crops which demonstrate " her fecundity, and constitute The open : "lence of polished nations - be this - "abandoned condition every thing - " languishes, corrupts, and proves abortive, " The air and the earth, overloaded " with humis and nocious vapours, " are mable either to purify thungelow, " or to profit by they influence of the

" the sur, who coarts in vain his "most entwening ray, upon This frigid
"mass, which is not in a condition
" to make suitable returns to his " ardowr. Its powers are limited " to the production of moist plant, " reptites, and insects, and can afford " nourishment only to cold men and " feeble assistable ." !! unp hilos of hical What can be more and abjust? These afsertions have been ably rebutted in that clover, sensible; philosophis -cat, and now scarce little workentitles "Notes on Virginia" by Those Jefferson formuly president of the United States; - and I should scarcely have noticed them in this places, had it not been that Hall Hill Hall Hart Harris necessary to notices, and rebut, There, stite further, in various papages of this & pay - after all that have said of the faibles of the queatist of French Naturalist, however, we must all of rue, with fefferson, that he who Tould Thus speak, is entitled to im " une personne qui me releve d'une "
" evente, qu'une autre qui m'appriend
" une verité, parce qu'en effet une
" une verité, parce qu'en effet une
" evente corrègée est une revité and so. spake Buffon! The wring to go buyond the limits of what should be prescribed upon an ocea what should the present, I must hasten to solicit the indulgence of the Society

18. in respect to the manner, bruily, and style of the Epay now submitted for Their approval - after some debate with myself, as to the general plan, I dume it best to follow the outlines of a small work on Brilish Birds, published by myself for the use of Museums, and bol electored of Subjects in Natural The tary more than thirty years ago -; because, that arrangement had been approved by Those best qualified to judge and had now the lest of experience; besidy ! it is one that can be readily enlarged who may have the necepary inclina: nor time been at my own command, at the present puncture, I could certain - by have rendered this work much more perfect and comprehensive Than it is - But, with large concerns preping whom me, and demanding my constant and unwearied application to say nothing of the serious ligislative duties which at the present mossient I have to perform - I have found it no small matter to steat a sufficient number of hours (and those chiefly in the night from other Outer, to Throw together, and arrange, The contents of These pages; which, such as They are, I humbly prejent to the Montreal Natural History So sincer, offering; - and, so far from being chagrined, ar disappainted, by any want of success - This hasty promay experience - in the full concountry that it might have
been rendered far more worthy of
their arriblance, I shall rigain
to hear that a more succepful
candidate has been found—

"bive, vale: si quid noviste rectius istis, "bandidus importi; si non, his utere mecune".



Efray Description of the British North America 0000 Mammalia. Comprehending those that are either whole hoofed;
or, that are cloven footed:
- but, the Morse, only, has
a hoof of one entire piece. Division I. Order I. Belluce Character Having obtuse front teeth in both jans -Feet armed with hoofs that are entire in some species, and subdivided in others - The greater part subject on -(500 Genus I. Equus. Tix fore. Weth in each jam; these are exect, one short tus R on each side of the jaws leaving a considerable space between & tusk and the grindres and pront letth - Feet hoofer, and un divided in Species Improved arabian Horse 1. Eguns - Caballus and all his varieties 2. Eques - asimus ~ The afs -The Mule 3 - Eques - Mulus .

1. Of the Horse Well is this noble animal entitled to the first place in our catalogue of ani mals; - magnammons, - generous, brave, - affectionate, - and without as a single bad quality, it is such as may have been incident to an errow our education, he is of the first utility to man, and is capable of the most extraordinary exertions, both as to spendend strength, and endurance, and he is alike sorviceable in peace and was - The Horses of Canada have not de - scended from The same originals stock, but may be divided into two distinct families - Those of the Lower Province have been derived chiefly from the ari -ginal French stock brought into the country at its first settlement, more than two hundred seas ago - although thise may be considered as more po-nies, seldow excuding 14 hands high, They are large horses in a small compass - being what is termed square - built, or brown - sett, very strong, active hardy, and particularly excellent in harness - after no small experien of their worth, I can say it is my belief that, for Their size, They are the best horses in The world at least, I am very sure they are superior and Welsh Jonies, which have been so justy esteemed in Europe The Morses of Upsper Carrada have been imported chiefly From the United

States, and are of larger growth than those of the lower Province - These do not appear to be in any wise inferior to the stock from which they have spring I have now as Itallion in my stud (american bris) that would be deemed a superior horse, even in Yorks hire - To these we may and a third of the plains, west of our great
Laker and of the head waters of the Misipippi, and which are of Spanish origin - coming into the in lerion by the way of Mexico, and the isthmos of Darien - They are light and agile, of great bottom, and extraordinary speter The Indians of the plains, and even some of those who owell amidst The Rocky Mountains have large herds Teaturous in this on anagement JONNIVANINI - This horses have not been found further to the north than 54 - of Califude as the horse was ariginally a na two of a warm climate [arabia]. and he is naturally averse to low, and wet grounds, ar to any great of america, being generally dry, and in other respects favourable to his constitutions, has proved propitions to a breed of excellent horset; and, it

it may be doubted whether there are better horses, either for speed or bottom, in any part of the world - But this circumstance cannot be surprising when it is coursed Mace Horses have been imported, at various times, into that country. First, fason, one of the most famous sons of the ree-nowned Godolphin arabian; Then Share who won more money upon the turk Than any other horse of his time; then Grey Diomed, once The property of his present Majerty, when I riem of Wales; - then Thenomenon, and a host of others of nearly equal celebris non imparted, in duccipion, from by: of the union at a vast expense serving in the end to raise the character of american Race Horses nearly, if not entirely, to a level with Those of England Oaily perform feats of strength and bottom that would scarcily be credition at a dy tance. Horses from 13 to 14 hand, high may be seen not infrequentlyorawing from 1500 the to a tow weight up the precipitous Mountain- Street at dubec -; and, all strangers who at two at the wharvey of that beity and at those of Montreal, are struck with wonder on withinking the fer formaging of These extraordinary ani mals- live upon an occasion of ne cepité, I drove a small Canadian Joney That was barely 13 hand, high am no more than three sears of - in a four wheeler naggon, fontaining Enggage

to the weight of boo the , busides the driver through the worst road I wer likete the distance of 115 miles in something lef than 22 hours, including stoppages, by twice breaking down - and I had the satisfaction to find that my little pony was in no respect injured by his most extraordinary performance ! - Even the Sporting the agazine of London can boast of no feat equal to this! I should have much pleasure in enlarging upon This subject, which is of great, indeed of national, importance were the accasion fitting but I must now only add that these houses are highly valued in our Mest. India I sland; and, that a very lucran tive barter trade, with them, night be opened in that quarter - I By an actual apepment in lepper Canada, and from the best compre - lation that can be made in Lower banada - the number of horses now in both previnces amount to about One Thendred and ten Thousaid, of which Thirty - five thous and are in the apper Province 2. Of the ages -Upes are of rare occurrence in the ba nadas- a few may be seen occasionally about Montreal and Quebec; but, after have never, by any chance, seen one in the upper Province

3. Of the Mule. The Mule is also of unfrequent occur rence in the British pop frions on this continent - and it is not probable that either the afs ar ellule will ever be in much request in a country to highly favourable to an excellent breed of norsy un - It has been thought wormers any to Jay any thing of the specific character and uses of animal, so well known as those just enumerated. (6000) Genus II. _ Bos_ * The Ox. Character the upper, but in lieu thereof a callows membrane - Harns hollow, and curved, and plesible - Head and neck very power - ful; - Dew lapped -; Four manma -; Feet hoofed and divided, or clover, Chewing the cud is a striking characteristic of this runninating family -, but its characters are determined by The horns and teeth The habits are epentially herbivo - rous - Species 1. Bos _ Tawww _ Domestic Bull 2 - Bos - Bonassus - The Bison 3 - Bos Moschatus - Musk Och or The Musk Bison * This genus belongs to the Linneau Order of Perora but is here ranked next to the Horse from it being next in the scale of importance to man it being

1. Of the Domestic Bull Bos - Taneus -Every unful variety of this valuable Luadruped has been imported, from tome to time, into the United States, both. from Great Britain and Molland; and, from thence into our bolonies - le few, indeed, have been brought direct from England, Scotland, and Ireland, and, succeed better than in the banadus, browided a sufficient degree of skill is used in croping The warrious breudes acrording to what may be required, whether for The dairy, or for The gra - Jing farm; and, that sufficient care is taken to obvide the effects of our long winters - Some will eapvierned dairy - hun from 6 his hire, who have lately arrived, have Declared Their entire sa tufaction, not only with the soil and dimale of that part of the Upper Pro - vince of banada, where they have settled, (The Newcastle District); but deso with the brew of cattle They have found them, observing that they care make at good theese, here, as in any part of their native county in bug eland! all this is highly gratifying -; and, when it is stated, which can be done on the best authority, that Bullocky of the nett weight of from 2000, to 2,500 th, are not imprequently brought under the butcher's Knife Buffour ellebrated aportion (alluded to in our freliminary remarks

28! that the downstic, as well as The will animals common to both the old and the new boutinents, degenerate in the latter, and, as he say, - "cela sary an cure exception " - becomes, what in - dud it is, an egregious veros and an absendity - another of Buffons verone affirming that The quadruntseds of amo ica are comparatively few; whereas their number, I mean as to distinct species, will be found mearly equal to those of all the rest of The habite - ble Globe builder - Buffon assumes the number of specifically Distinct quadren pedy, on the whole earth, at about two hundred ! - This catalique, which is confined to those found within The Brilish Topipions, mill exhibit a list of very marly half that number without taking into consideration these that are foffil, or which may have belonged tot a former world; and, that many more remain to be discoursed there can be little to out - Had the name of Buffor been of less authority than it is , any allusion to his errors uthiniminally the such the minimum in the state of the section of the sect would have but avoided on The pre-- sent occasion - But the more distinguished his character may stand as a natura list. The more needs ary it is to remove The verous he may have fallen into-I may be excused for histing that The old ling - horned, or Lamashire, bruid of Milch Cows. will be found, on trials, more beneficial to banadian agriculturalist as being more hard, than the larger or short horned brief

2 Of the Bison Box Bonafsus although our Bison, of the interior, mis - named a Buffalo by the first Europe an travellers and hunters on this could ment, appears to differ in many parti culars from the true Bonasos, or Bona - sur of the autient, -; if we may judge from the head that is figured by Jessner and by the description sent to that dile gent naturalist by his learned briend D" bay - yet, upon the whole, it seems more nearly to resemble the animal Occibed by aristotle, and Pling, and other, under that name, than any other with which we are acquainter. I have there fore ventured to retain it in preference to many other of the synonymy of I may be able to prove it to be the same animal, altered only "accidental circumstances, and that it is not specie - fically distinct The epential or specific characters of the american Bison, are; - Horns, round Thick, and wide at the base, directed at first laterally, from the sides of The head and then upwards, tapining rapidly to very sharp points; in Head Mort, broad and thick, with fivey eyes, a large beard, and most procious aspect; -This head, neck, shoulders, and superior harts are clothed with a thick, shaggy more -; His withers are high and Ist projecting, and his shoulders are very capacións, ponveful, and elevater; - Mes back is arched and fleshy forming a dort of hunch, highly prize by the Indians as an article of food; The is

deep and reather plat - sided, with short legs; - his hinder parts are light, and his tail short; - the is formed rather for strength than speed, although very agile the is an animal of vast stature and covers fonding strength - from 5 feet, to 5 feet b, and were I feet nine inches high, at the withers; and from 7 feet 9 hicky win. to 9 feet long; and weighing more than wag nitude for the Bull of this Species to attain - he the hauna americana it is stated that the largest weigh from 16,00 to 2000 ther, but instances have been known of their weighing no less than 3,000 ther_ He is not naturally of a ferocious disposition. but rather the contrary, avoiding The face of man, and all The more sanguinary animals of The Cosart; but when wounder, or attacked in The rulling season, he is most des berate - and it is not then for to mut his encounter - Their senses of hearing, of sight their attachments are injularly strong-No wild animal on this continent could be rulaimed with greater advant of u to civilized man than the Bison, His vast strugth enably him, in his single person, to accomplish more in the plough, or the Oraft, Than The stoutested pair of Oxen - This has been fully proved by experiments made in the mighbourhood of Cincinnate, on the Chio Me mingles readily with the common downestic breeds of horner callle ; and his flesh, as but, is not of an inferior quality It is said that

This animal does not now exist, in a wild state, to the eastward of the ellipsis to the feet of the Rocky Mountains, and for into the regions of the north, and harthe west Biron are found in perfect myriads - extending over the plains in vait hered, as far as the eye would reach it would not be a difficult matter, There - fore, through an Indian agancy, to ob tain as many of the roung calver, at the proper season, as might be necessary to try the experiment of do mustication on a broad and satisfactory I cale; and, should the Society hereafter turn their allention this way, There is no doubt but an impartant, a valuable, and a lasting benefit would be confered on the country. 3. Of the Musk - Ox Bas Mos chatus -Following Blaiswille, I'm Harlan has re moved this species, in his Hauna americana, to a new james under The name of Quibos; though I must confess without apparent reason at least in my judgment - I have There fore retained the older nomenclature Thinking it by no means advisable, in any point of view, to multiply general and species unnersparily. The perver the distinctions, the greater the simplicity; and, simplicity is, or ought to be, the soul of science Tennant, & mellin, Shaw, and burier

32. have all considered this animal a Bod, and the trifling similarities which it has to the genus, Ovis - do not seem of sufficient importance to unite The families . The animal, itself, being of Nace occurrence further south than The 65th degree of North Latitudes, sel Down comes under the notice of zoologist. with ample particulars of its habits and manners, well be found in Hearnis ac - court of his fourney to the mouth of the Copporanine Mire's - and it is probable that some further lights may be thrown upon it natural history in D. Richardson Fauna Boreali. americana"; a mork I have not get seen : _ but, I can scarcily imagine a more ample, ar salisfactory account can be given of this unimal, than That which is con tained in Hearnis Book . It might prove of sorvice to the in terests of agriculture, manufactures, and commerce, could some experiments be made on the long wool, and have how far it might be removed solvable in a national point of view in silva tions, far to the north, where ani . mals of a left hardy constitution would be unable to support existence. The musky flavour of its flesh is occasioned by a species of moss, ar lichen, on which it feeds amongst the rocks and mountains that are its favourite haunts; - and, amongst which it roams in herd, of twenty, or Thirty, and sometimes more, even to The borders of the Polar Lan

The specific characteristics of The Bos Mos ch alus; are, Horry large in proportion to the size of the animal, united at their base, on The top of The head, then falling down the sides of the face, and turning Byy small, and remote both from each other and from the mose, which cer: tainly more nearly resembles that of a Shup than the muzzle of an ack He may be said to be without a mugge Mouth & mall: - lips think . Body dup and much clong ale , covered all over with long black hair having a soft with that is equal in quality to the finest wool of Shelland and may hereafter The legs are short and strong; - The hoofs larger before than Ibehind, very strong and hard, The points ever - very ing towards each other and ena-bling the creature to hold a fireing on the pointed rocks amongst which it springs and rung with surprising agility. The tail is short, and not easily discerned at a distance. The size of the animal is that of an ordinary con for the table, The soung calves of there is no could that the fluce has been hitherto und erevalued - It is altoge There a most curious and interesting ani - mal, well osserving The attention of the Society

34. Genus III. Ovis The Sheeps -Belonging to the Order Lecora Character of The arder Fivenished with surval front teeth that are blust and wedge - shaped - They have no front teeth in The upper jaw, and Their feet have cloves hoofs _ They have four stomachs, chew the cut, or ruminate, and feed entirely on vyctables -6 haracter Generic Eight fore teeth in the under jaw, - no canine teth - Facial line Turually arohu and without a muzzle. Horns concave, angular. winkled - and commonly turned backwards - all the species are covered with wool and in some the wool is mixed with long hairs - variously Thuis to and intermoven - Ligs stender They are herbivorous and graminivorous -Species 1_ Avis _ Aries _ Common Theeps and its varie. 2 - Ovis ammon Monflon; argali; I best; or Big. horn They of the Rocky 3 - Quis - Montana The Tilky haird Goat of the Rocky Mountains &

35. 1. Of the Common Shups and it varieties_ It cannot be needs ary, in a brief espay of this Kind, to say much on the value and importance of an animal so well Known as the common thus at the same time, however, it may not be unimpartant to seize this opportu nity to remark that none of our domestic animals in the British balo: the bried of Sheep that has been in troduced, through mistaken motives, amongst up in " There were but few of these value ble creatures in the bando as when The rage for introducing the Merino Brud, into the United States, became opidemic, and extended to this country It is true the wool of The Merino Their is farticularly fine; - but when That of the brews, to the farmer, and also to the consumer in These colonies - Our fine woolleng will, for many years to come, be imparted, as they ought to be, from the mother country; and, as wool is not one of our articles of infourt, nor likely took, if ever, to the - the quality of the wool of our comestic sheet here is an inferior object of consideration to a fine form, heavy carcase, quick Juder, and a better subject for the butchers Muife - The Merins ever was, and still is, are ugly, ill-con · Ditioned, mis- shapen, hardly-grazing animal

3/1and subject to more diseasy Than any other bruid - Fortunally for us our dimate and soil are peculiarly favourable to the health and good condition of Shup - and many of Their Oiseasy, so fatal in England, especially The foot-rot and Scale, are nearly, if not altogether, unknown in this country - These favourable circumstant ought to make us more apiduous and attentive to a clap of animals so extremely va Muable in our Comestic economy so highly is turned in England, in this country - none of the New impar to last summer and none of the Improved 6 herist which fast in particular, I believe, would prove an invaluable acquisition to our agricultural interest. It is short-leffer, heavily careased, quicky fuding animal - with a heavy pluce and long staple - which would much better suit our little comestic manufactury, here, Than The light, fine, matter wool of The Movino - But neither The time, non the occasion, is fitting for us to say more on this subject at freguet - twenthelip it is of sufficient importance to mirit The future every ideration of the Jociety.

2 - Ovis a ammon The Mouflow; - argali; - Thede; Or Big horn Shup of the Rocky and de Ceris - Montana ar, the Silky-hair'd goal of the Rocky Mountains -I must crave the liberty of coupling these two rare animals together, in The rumary I have to make whom them, not because I consider them of the same species, but, because There is much confusion ruspicting them among the the authors who have attempted to describe their characteristics, habits, and manners - The truth is, their haunt are so remote and most fast ill-qualified to judge, have had the nuchary opportunities to determine Their specific distinctions. Only one single individual of the a. Montana has found its way to honder, and that is in the Museum belonging to the Linnear Society - The a. amonou if is admitted, as most writers af weed to admit, that it is the same aring in better Known - though it is still a kare and valuable quadruped - Some authors, and those two of a just celebrily. rank these arisinals some with the Goat and others with the Goat and others with the Granity - It is on account of this uncertainty, and because

their affinities sum more nearly to approach the Sheep than either the yout on the an - telope - that I have ithought it best, for the present, to treat of them under the head where they are found - as I am to - King some pains to electedate their natural history I hope, hereafter, to be able to throw some important lights on the subject The Horm of the male a. ammon are of enormous growth. They are curved first back wards, then forwards, and then upwards, with the points turned somewhat autward, or to one side - They are triangular at The half their length, then smooth Thave heard of a pair of these horny weighing marly so younds - and more that I'm fut long - The female too has havens but hou are much smaller, more stender, and more marty resembling those of a common go at _ Sary troad painted, and straight Tail short - Hoty covered with hair of a grayish favor during winter - with a fine down or wood undermath. It is from 4 to 5 feet long - Height & fut 6 miles, to 3 feet I wichy Wonderfully active and swift hardy shy - pugnacious - whabit the Mocky Mountains from their southern ex= tremity, on the confiner of balifornia as far north as that beemindous chain of granitic Rocks have been The specific characters of the Q. Montana may be Thus Orawn; -Horns black, annulated, curve back ward, short and conical - Body much clong ato - although short on the leg - he size rather excuding the common sheepbors long and pointed tail thort and curied upward. The whole body is covered with long, white, silly havis having their base thickly beset with a down, or wool, of the most exquisite softreso - superior as it is said, in finery, to the wool of any Known animal - not excepting the famous goat of bashmere. - This species is not found to far & the southward, although it inhabits the dame range of mountains, as the O. ammon but is common from the To the & the 60th parrallely of north la titude - It is particularly numerous about the upper forths of the bolumbia Miver, in our turilory - and The Society could scarcely confer a greater boom on modern Joology; and pirhaps on our agriculture, manufactures, and commerce - than by using their in fluence in obtaining of ecimens. living, as well as sead, through agency, of the North west, and Hudron's - Bay Company - and their servants - and it is scarcely to be Toubled that succepful results must follow Janus IV - Capra The goat Eight incisor teeth in the lower jaw - none in the upper - no canine tell . Horns compresse, wrinkled, and directed up wards and autwards - Cars painted and straight and stender, and body rather flat sided, and stender, and covered with long hair, without wool fail short and recurved upwards - high short and strong - Chin furnished with

40. 1. Cupra - Hiraus. Common Goal any particular description in this place although a few individuals are scattered - can baloniis - it is no where very numerous New Brunnick, and hower banda - in regions, inder, of those provinces where The breed might be cultivated with as much as the inhabitants of many parts of Wales and Ireland derive from the same source - young Kids afford The most de - licate food - and their dans will abound: and of sweet milk and wholesome cheese and this description of Stock has the advantage of being maintained at little as no cost Genus V - Corvus -The Deer, or Stag Of the order Second, already characterized Generic Characters Horns at first pleshy, acutety sensible, cartilage nows, and covered with soft hair or down, — afterwards solid, brittle, and more on less branches rugged - and in some species palmated They are annually renewed - Eight fore teeth in the under jaw - no canine leth - Eyes clear, large, full, sparkling; - Body straight, light, and flat sider - Legs most delicately formed light, but strong and nervous - Temarkable for having no gall bladder all the species are horbivarous, though some will destroy and devour snakes - They are timed - salacious affectionate - hehabit both the old and new Worlds.

Thecird Cours - alcer - Moose Deer, on Elk Cervus Elephas - The Stag, or Med Deer 2 Corvus - Major . The Wapiti Deer .3 Cervus Canadensis & The Caribon 4 6 vivus Canadensis & hefrer Caribon 5. Cours Macrolis Great Eared, or Black tailed, Deer h. Cours Jarandus Mein Deer 7. vinginianus. Virginian Cours. 0 antilocapra - Com! Antelope Cowers. 9 -6 aprelus - Roe-buck-Cours 10 we to great is the confusion of authors in respect of the various species of this cly and granies that it would require a volume of no small commissions to treat satisfactorily of this interesting family alone - I have paid a good deal of atten tion to the subject, for the last lifteen years, and am forty sowing that I have at present neither time nor space, in This brief epay, to explain with that fulnof I dis view - The reasons which have induced me to arrange The above nonneclature in the manner withhill I have done; but, that it is more correct than any specification in any sufficient in any single work, at present extant, I am pratty well palisfied time will show - a few rum with will serve to Octermine the different species, in the above enumer

at least so many of them a lave Knows to other writers - by their synonyms -If the first species, there is no doubter it characters and habitats are well known and all authors have agreed whom it scientific and trivial name - It is found in Newfoundland - 6 apr 18 reton - Nova Scotion New Brunswick - Labrador - Hudrous Bay and Lower Canada; but, although occa, sionally seen in The coldie parts of Up - for Canada, - it is, in That province now a rare animal _ 2. 6. Elephas - Stag or Med-Devi - This is the 6. 6 an adenses of Brifon - Linners and 9 melin. The bouf du banada of Perrault The b. Major of and and the Wapite of Barlow, Mitchell, Leach, and Warden, and also of barier That has bun given to the latin name that has bun given to the common Stag, as Med Deve of Great Britain, and many other parts of bu - rope, - because I am & atis fied that the Dur I mean under this name and many of which I have Ois covered in colonies, here, is precisely the same animal with the E. Elephas of En 3. 6. Major - The Wapite Deer - This is the Deer Shave alluded to in my preliminary remarks, and which has never hum satisfactorily Oceverbed - That I' Warlan suppose it to be the same animal with the last mentioned species - in his Fauna americana - is obvious, by The synonyme he has given - But, the true It apite which is a rare animal, and found only in the remote and unfre. quenter desarts in the west, and north west - where it roams in Imake herds

and is exceedingly shy and of difficult of proach, is a much larger quadrupes Than the common tag -: it is indeed the largest, Known, die next & the Moose; and his hours are exentially different from those of the common Stag- heing palmated, more or left, in The upper branches, which is a cha-ractive unknown to the 6. Elephas, whose authors are uniformly round and pointed 4. C. Canadensis Major. By this name of me an the true Caribon, or Common (Deer of Cariada; an animal often men tioned, and sufficiently common since the acys of the first travellers on this continent, get, & this hour, never de notwithst anding the scientific and judicious fefferson, in his Notes on Virginia, long fines - express his wish " that natura tists who are acquainted with the reme wish lest of Europe, and who may hereafter with the northern parts of america, would visit the northern parts of america, would examine well the animal, called there? by the names of grey and black moose, and Elk " de de (See his valuable little work on Virginia /-I have given the name of banadensis be - cause it is the commonst Deer of banada, - and added the term Majore. because all our herians and hunters afree there are two Kinds, one much larger Than the other, and with a Sperific Oifference in The ramifica tions and direction of the horas. No tions and show how little has been thing can show now little has been und orslood on this subject, than the conforming this species with the Main conforming this species with the Main = dur, an animal altogether unknown in the southern, or settler, parts of Canada - whilst the Caribon almost every where abounds -

44. The horny of the Cariboo - purnish a very distinguishing characteristic Differing ma trially from all others of the Ower-Kind. riging near logether, in front, immediately over the eyes. The of tem returns backwar over and behind the ears, as if to protect the neck . Then recurring farmards . They bund inwards so far over the face that the last projecting points are authors are burgendicular over the mose - The all bucks have no left than twenty author, ar branchy and formationer more form ing a beautiful crown over the made and The stems of The horns are so conveniently cured, that the arrival can readily living all The sharp point to bear at once upon it every In the old bucks a slight dyrun of palmation may be observed in the upper branches . Mere after I shall give a more full and particular sich I have Kept alive 5. 6. 6 anadensis Minor, ar hefor baribon This species is also common throughout. Canada and Differs chiefly in having shorter and thicker lys in never at taining the same stature in the em aller size of its ears, and tail and in having its hours les branches and flattened, and with fewer authors -6. 6. Marrotis on Large ear'd, or Black tailed; Deve - The ears of This species are very large, and covered with long have and much rounded at the life-The tail is to long, when hanging sown , as to reach marly to the hock . it is black above, and while below and around it and is a strie-Kingly distinguishing characteristic

although most necourous on the plains of the interior, and in The most un frequented places _ I have found this spicies even in the selled parts of upper banada; but not frequently 7. C. Tarandus. ar Mein - Deer . as I have already observed, this species, one of the most celebrated and remarkable of the family to which it belongs, has been confounded with the Caribos - by an . Thou who ought to have Known better . It is apenteally different from the bariboo in having compicuous brow-autters on the horns in its en - time form, which is more heavy and clumy, and in the formation of its fut, which are broad, loose, and Spreading, and comparatively flat; whilst in the Cariboo the feel are high, narrow, firm, compact, and wery sharp pointed _ I very much could whether the Mein dur has The northwerough shory of Lake Superior - It is so certain that the Cariboo has bun mistaken for the true Hein-deve; that, were it not for the testimony of some moderne beauthers of highly descrived consider - ation, who have explored the are - tic regions, belonging to the Grown of Great Britain, on this continued, and who say that the 6 Jarandus is there found in a wild state-I should greatly Could our having it at all - But, of this I am will ap wir it is no where found in the settle parts of Brilish North america

l. 6. Virginianus, or Virginian Deer This species, which is widely spread from It family Bay to Mexico - approaches me than any other Kind to be found in these colonies - It is the berf de la donisione of buvier, and has been well and after percribed in 9. C. antilocapra . or common autilope This animal is the link between the Goat and the Deer but having greater I have placed samongst the borne . This characters, however, are materially dif ferent - His horn, triangular and wrinkle prongs, separating as They rise, wider and wider - intiming outward, - and back wards, at their extremities - about two Third of their height is a short and sharp fointed author projecting formards His eyes are very large soft and full -reddish brown on the back - white on the belly - and insede of his lys and but - tooks - black on the sides, man the flank - Top of the head, churks, and lifes white; face ches nut; There is also a while & pot near the ear - He is a trifle larger than the for-buck, being who wards of three fut long from the eary If the root of the tail , and mearly three fut high. He is airy, light, agile, and swift to a surpassing of of the plains of the interior, when he is found as far as the fut of the Rocky Moun 10. C. Capreolus, or You Buck The small est and most rare of The family on

thus continent Notwithslanding what various travellers have aperted. Senter tained many doubt , until the last the seary - , that we really had! The More-buck among st " but, having heard much of a small dur" manuring the the hunters, to which They gave The name of Spike - Horn - I became more particular in my inquiries - and the regult has been a conviction that the true Capreolus may be ranked amongs have not get abtained a perfect specie horn, taken from the head of can adult of this species, Killed in Jacomy which my Livian hunter Occlary to be exactly similar to the species Sometimes met with, though rarely, in the remote hunting grounds in this The catalogue of this elegant and in - teresting family - scarcely an indi - vidual of which is not survivable to man, either as food, or as conting or for buting, or for various Kinds of Domestic manufactures Many of the larger species were former ly used, even in Buyland, in the Or aft, and for agricultural pur. - poses -; but, such has been the en crease of other animaly, better as ap to for those purposes, in mo dem times - that we mud scarcely call upon the Que of the forest to supply their place - and it is probable in a tem species, now

40 Yenus VI. _ Sus. The Thog The Hog Belonging to the arour Bellux already characterized Generic Character. Six in the lower jaw - the points standing farmands, and converging Two formidable tusks in each jaw those in the lower of greatest magnitude tude - robust - briangular and Hand ing westwards - capable of inflicting the swerest wounds a dong snout pro minut, movable, bruncated. Theet arms with with O wirder, are clover, hoofs The animal standing a upon the ex turne points in 1. Sus - Scrota - Domestic Hog He have most of the varieties cultivated in Europe - and these colonies are very favourlable to their growth and in-Sperson mentions or Hog in the United States that weight 1200 the and since his time I have heard of one at Now York that weighed upward of 2000 the country did not excus doo to - as I wine are suffered occasionally to run at large and acorns, muts, buries, fruits, and roots, Their favourite food, are all so abund aut in our faresti-it is a little surprising - me have not already had our With Hoars - as in Germany-But this is an went me may specify look for - It is already the case in some of the Western States of the Union.

E fs ay X de de de Or those which have fut divi - ded into toes, and are classed in sections according to their different formations and force pensities: - those that are 4a pacions have 6 as more Division cutting teeth in each jun, with large carriere teeth ve - parated from them; - and Those that are her herorous, on pruginanous, and which have no carriere tothe - and only 2 cutting teeth in each jun Under III. Fiera Character Having mostly 6 front but in The upper and under jaso somewhat conically she - ped, with sharp consine teeth on each side, and grinders that terminate in pointed esseinences - These have feel-Toivided into toes that are armed with tatout, on sharp, erooked, class, - crayly all The animals in this order are ra pacious, and live principally on the flish if other animals on yenus VII. Canis The Dog. Generic Character Jix front teeth in both jans - Herse on The sides are Cobated, and Conger than the

intermediate only- Jese grinders in the upper intermediate only- Jese grinders in the under jaw Two and side, and dog teeth in each jaw one on wath side, and soparated from the rest. These are strong of soparated from the rest. These are strong of survey, and very sharp pointed -

50_ Species - Terræ-novæ-re: } Newfoundland Dog - forti - } Indian Dog 1. Canis -Lupus - Com " Wolf Eanis 6 anis - Lycaon Major - Large Black Wody 5 - Canis - Lycaon - Minar - Leper Black M. 6 - Caris - Latrand - Prairie Wolf y Gamis. Nubilied a Qusky Wolf P - Caris - Vulpes - Com? From -9 - Canis - Argentatus - Tilver Grey For 10 - Canis - Vulpes Niger - Black Fox 11 - Canis. Vulpes Cruci-gra- Grofs Fox 12 - Canis - Vulpu glacialis - { Arctic, or Jey Fox 13 - Canis-Vulpes Griseus - Com? Grey For 14 - Canis - Vulpes veloce - Small flying For 15 - Canis - Velfor Arcticy - arctic, or Mile Wolf I find I have omitted in its proper opring place a small sign but very formie dable species of Wolf that is found reer The both ogree of North Latitude-and the Folus Leas - It is of a bleish 6 hered ope July in summer and quite white ad and and distrustive to the Cast differen ret by no means afraid to attack in man himself - whenever any favourable of partiently accurs mer confort of me they

after which he is named - In vige and stringth, and perhaps in courage, person were and fidelity, he is superior to all others - The is nece-footed, and has no com petitor (amongst dogs) in the sea ar wherever shimming ar diving is required This countenance is open, fine, and benevo. elint, and his whole carriage and depart with noble. The stringth and docility of this animal renders, inperior to all other doct of burden as in the Oraft, and, for all the sagacity of his tribe, he is equally celebrated as for his other good qualities -- The Canis Indiens, or Indian Sog, may have been ariginally derived from the dogs of have chatted - this I will nei-- There Oupute, nor absolutely Deny-; but he has characteristics so purculiarly his owner as to entitle him to a specific dis tiretion The Indian dogs have much of the aspect of a small and savage welf-Their cary are week and pointed - long and sharp nose - tail long and bushy - usually of light and stender form; - standing remarkably straight whom their legs and toes - bolows varied from black to grey, and white, and sometimes - pye. -bald - They are very pierce and vigili gant, and have a remark able antipatte almost insurmountable to Europeans, or indud any white man The hedian, sometimes allow their bitches to receive the embracy of the Wolf, and sometime, of the Fox - and the offspring bears a resemblance accordingly - some being like wolvy in miniature with att their propensities, and other, like hover, in their exprision eyes, and by and Thiving, qualities

3. 6. aupux. Common Walf - of this well Known- destructive animal it is nudles to say anything in this place - further than that I am sorry to remark it mumbers have greatly encuased in the some province of late years - and that some strong legislation enactment is absolutely necessary to preserve our farmy prom their depredations 4. 6. Lycaon Major - Great Black Wolf a most formedable arrival of this de scription, capable of breaking The strongest traps of the hunter, occasion and makes his appearance in our and long or Than the common wolf and is made more like a grey hound The is covered with a coat of long, shap gy, hair, of an intense and shining black - and is generally seen about or at most two are three together - He is quite Octive from the common Black Way or b. Lycaon Minor , and is, I believe; are hitherto undescribed of pecies. The brief prom a more ling thy tone, oranne from a specimen Killed within two miles years ago -; since which I have only heard of two ar thru individuals ling seen - Fortunally, the animal is as rare, as he is farmidable when met with 5. 6. Lycaon Minor. Leper Black Wolf This is the Loup claire of Buffon, and the hycaon of Linney, and Geneling. It is also a rare animal in our clark american Propincy - Though more common than the last mentioned

species. He is left than the common welf, and has more the appearance and air of a hox. His countenance, too, has a milder aspect than that of the wolf. He is inclined to rocky and mountainous districts, and tellom makes his wopear une in the settle must - His hair is finer, and more of a woolly nature, than that of the common Walf - and is not long as shaggy -: it is of one entire black 6. C. Latrans, or Prairie Wolf - This spe - cies is the most common and numer of our great Laky - extending to the Rocky Mountains, and even beyond that stupenday range - General colour cinerious grey - varied accasion - ally with black , and sometimes with ferring inous - He has while lips, and the tip of his tail is black - He is somewhat layer Than the common walf - He is said to be the most sagacious of all wolve and when found in large packs-is formidable even to the figantic 7 6. Nubiles, as Dusky Wolf - This is also found in The same region with the East mentioned & becies But he is much more robust and formi Dable. His colour is darker. His size greatly subviou, either to the Prahie, or Common Walf some individualy having hum found nearly six fut long, including the tail, and of a proportionable height. He emits an adour quite as des agreeable as is most procious, and he is attogether a

04. d. G. Vulper, or Common red have Of this well Known animal nothing further new be said in this place than that it numbers are found to encuese in proportion to the num les of I Meliment - a fact that may be explained without much difficulty, since Their means of subsistence encrease in proportion as the land, are cultivated, and the early farmer, in this country, "a fox-hunting"-9. 6. argentatus, Silver yrey hore - Thou my Ih are 10. 6. t'ulpes Niger Black Fox 11-6. Vulpes Eruci-gera - Erofo hox Cittle Bould 12. 6. Vulper Glacialis. arctic From _ are all Jenlindy 13. C. Vulpes Griseus. Com: Grey hox diplitatspecies, many intelligent persons consider Them mere varieties - But no Indian, or other hibean, or other hunter, acquainted with the habits of The animal, nor will any dealer in few courier them the same on le London price a current above is almost sufficient to convince any one of the - like of the fure to say nothing of other variations, as to Journ hatith main a non and instinct The face of the Black For in The most rare and valuable, next to This comes The Silver grey-; Then The brook- hox; and, lastly, the common grey hox, whose five is so coarse as is seld our worth earying to market.

for sometimes brings the owner 15 or 20 th is a good Silver hox hill-, and a brop-hox from the to the 2.10. and lepwards whilst a common gruy fax would not be worth make Than from 2/1 to 3/6 -If there is a mongred amongst the species ourmen lited it is the brofs - how , which it is not impossible muy have been produced Retition a Silver grey and a Med.; or, a Black and and a Silver grey, or, a Black and a Med- hox - But it is remarkable, They are all found in the dame dis - trich, and yet remain universed-Kuping up their distinguishing cha - racturistics - Their very names are sufficient, to describe them with the exception, perhaps, of the brook. Those, which is so named because of the black crofs which paper over his shoulders and less his care are also commonly black, and his tail nearly so, with a white life - whilst his body and face are of a beautiful silver greg ... The arctic box is The same with the Isatis, of authors and is confi new the artic birde, and the hory of the Polar Sea . He is of a blue cry in summer, and white in minter, and is noted above all other forter, for his wondirful safacity u 14 - 6. Vulper Veloce - This is a newly dis - covered, and very small, species inha - biting the Rocky Mountains, and their immediate vicinity. He is scarcely half the size of the com

his five is of the most exequisite soft - nefo - The receives his name from the extraordinary speed at which he runs - which appears more like the flight of a bird, than the motion of a quadruped. He burrows in the ground, and never affects the court of the forest - He is the burrow. ing for of Lewis and Clark in (000) Genus VIII . Felis_ The Cat generic Character like cutting teethe, all equal; with two tusts indeach jaw, and three more tusts on each side of both jawetusts on each side of both jaweThe tongue has rough papilla which
point lackwards. The flet are arms with tatons, or hooker claws, that are ludged in a sheath, and can be pro Then Thrown, or fallings from a dis tance, these animals alight on their fut - The Jemaly have of papes, and are multiparous - Prey entirely on anional food, and are comequantly coninently rapacious pecies Concolor _ The Conquar Onca _ The faguar Fardalis _ The Ocelot 1. Felis ___ 2. Felis -3 - Felis -4 - Felis - Canadensis - Canadian hynx Telis - Kufa - red hyna 5-Felis - has cialus - Striped Lynce Felis - Montana Wountain Lyna Felis - awrens - 400 6 -

9-Felix - Catus - Common Cat 1 + 2 - Species - The Jaquar and bouguar we both of rare occurrence in Upper ba nada, and I believe are unknown in The Lower Province The Conquer is the most common of the Theo - and both are more frequent as me proplains of the interior. They are the high and Typer of this Continent; and are. in buth, most formisable arrimals.

fince my residence in the stencastle

District a stout sowing man was struck
by a bouguar, from the bough of a true under which he may paping, and had a very nawow escape with his life -: The accident occurred in the dusk of the evening, and in the Town hips was followed for some mily in the Township of Atomibu by one of these animals and escaped only by the ferocious beast seizing a bag that the man was carrying on his back instead of the man himself I have not known of more there Felis Pardalis The acelot Ido pot know that her of Helis Pardalis The acelot I formation are in any Humpurumantinge has ever been but indi; but indi; bast ciduals are accasionally found, as strag eler, along the feet of the Macky Moun tains ever as fare as the ARTh parallel " l'alitered"; and have been shot by the Cat a Mountain and are very harry the Cat a Mongh common on the ince out with - though common on the ince enfiner of this taid by the Naturalish of a formia of this taid by the Waluralish of a the United States that the Could is not

38but The first species, only, is com mon - the others are all of race occurrence and the Striped, and Jellow Secres have never been sur, that I Hed liver dettlements - nor very fare from the feet of the Worky Mountains; Pacific, They are mon common. The red, and the Mountain, Lynx - or w Mountain cat, as it is often called, have frequently bun shot in lipper banada is pecially in the western parts of this pro-My vince - The Mountain Lynce has none the ears which form so striking, and mell known a characteristic of the sistis commonly form in all parts of The British Provinces of america generally alone - but formations in pain - It is fierer and powerful and very destruction of all Kinds of game that it can master not even the Deer excepted - Its fur is not considered very valuable - The skin not being worth more than Jowe or five shillings -9 - 8. Catus Common Domestic Gat This uneful domestice cannot be dis hund with in a country so swarm ing with mice - as the whole of bands & all from one extremity to the other most of our house - though our woods are citirally alive with shire - I mention the fact, because it is surprising some of our fact have not become with from the facilities that are affect them, and yet, notwithstanding what anthous affering me

Genus IX. Ursus. The Bear Generic Character Lix fore teeth in the upper jaw, alternately hollow in the inside; - there are also six in the under jaw, the two lateral ones being lobated - The dog teeth are strong, conical, and solitary - Eyes furnished with a nichtating membrane - Nose prominent - ears erect - body round and robust - legs muscular - joints remarkably Glexible - feet dermed with enormous class - tail short Species 1. Ursus-Cinerus-harge Grey, or Grissy Bear 2. Ursus - arctos - Brown Bear 3 - Ursus - americanus, & Long-legged Major & Black Bear 4 - Wesey americanus & Short legged Minior & Black Bear 5- Wes us - Maritimus . Great White or Folar Bear 6. Ursus, quelo. Wolverene 7 - Wesus - Meles vel & american Badger 0 - Ursus - Lotor - Raccoon

10. 1. U. 6 ineren . harge grey, as grieggly Bear, by for the most formidable animal on this continent, or, perhaps, any where else His invincible courage and perocity, and blood thirstings, ingrafted on a frame to power to - lul, that the strongest Buffalo or Briguest has no chance in his pawe, sprangringy Worksungerequeres the makes him the dread of all other creatures - not extended of the lards of the forest them selves - who never dare to attack him single - handed - Mun a party of hedian, of termine on the encounter - they arm four, or five, or tice, join together in the combat, and even then, are tome to time, a feath with the loss of life. It is only found on the great plains by the interior, and is of vast may and interior of the plains by nitude. asults of this species are a Tometimes found 9 feet long- with the fore arms -, and four fut round The neck -; feet 12 inches long, by 9 as 10 miles armed with tatous 4 inches long with jaws and teeth of frightful mag nitual, and eyes planting a red fire on its enemy - It has been mele name harribilis ly dome writers - for it is indeed a most tirrible a nimal - cruel - vindictive remorally - and turns its back on no living creature - It is subject much variety of colour - and never limbs trues: - it is hilernating - Differ ing from all other bears , (except the Great Sea, as Polar Hear th refers animal food but will pray ccapionally on roots, we tables, &

2. Urgus arctos. Brown Bear This ofecies is also confined to the mestern parts of our tirritory and never appears in our settlement ; but it is common in the interior, and low and the north - mist; - and, at far as has been objectived, Brown Bear of Normay - Gormany and Switzveland and other parts of burope If america . These are the common Bears of the Country, and, in some seasons, according to the quantity of wild fruits and nuts, are very men merous It is certain there are two distinct spiceis. The legs of the first are much long on , and the body lighter and more of line than those of the second species - the none is also long The Thoo Kinds do not apaciale to apt to climb true as the other This carnivorous propensities, also, sum stronger and some of them attain and enormous size - a male of the species was killed not long ago in the Township of Monaghtan what weigher wondards of 400 this 5. M. Maritimus - great While, or Polar Bear - Found only on the shores of the Polar Lea . Hudrons May Am the boast of Labrador and Newfoundland - In no respect of - fering from the same species found in the Groenland dear and the

12. 6. U. Julo. Wolverine - This animal, so - not be said to be a common species in any part of our colonies - and ret it is oce as ionally met with in almost every part of them. When famished, it is extremely ventures one, and has been Known to enter lowers, in Upper ba mada, of considerable magnitude - 100 One of the last that was Killed in this province, was detected in an orchard in The town of Brackville. Late writers on subjects of this nature have place this arrival in a new ge arctions, but I see no good reason why I on the present occasion, I should not follow the example of hinners and Pallas a 7. U. Meles, vel Labradoria - american Kadger Until Salvine, in The appendix to Capt. Parry's Voyage to the Polar Sea proved this animal to be a distinct species_ it was always considered to be the same with the mousiness Bagus of Europe It is by no means a common animal and its habits render it difficult of ob - servation - prequenting the most soli tary places, and burrowing in the swing abroad only during the night, and preys on every description of food that comes within it, P. U. Lotor Raccoon Mun it is consider is that the French were the first burs pe an settless in banada, and maintain id so close an intercourse with it for a century and a half, and carried on The fur trades very extensively - it is really surprising Buffon Is hour have aported that the Raccook is not found

of our will arimals are more come mon and it spends, the whole year with up hilurnaling in hollow treesparaministance Several thousand of the Skins of this animal are annually expendented to Europe and the United States of America, troth the British Calonies and Invitationics on this continent, and it must be needly to rescribe an animal so universally well known

Genees X. Badger

Jome modern writers have thought froper to pistinguish the Badgers by as a separate generic character; but in this work, I have seen no food reason why they should be removed from the last mentioned family; in which Linnaus pland them

Genus XI. Dédelphis Opofsum Genvie Character

Ten fore teeth in the upper jaw, and eight in the under one Two canine leth in both jang one on each side these are long. Head long, and corried; Nose painted. Month wide. Tongue cili total bary large rounded this and almost nated - their sofar ate toes on all the feet. Nails crooked - Tail long, round, and scaly Hair inclined to be woolly. The tribe are furnished with a sort of packet formed by a duplicature of the skin of the belly in which the larges fugually 13 in belly in which the larges fugually 13 in number are situated and in which the larges fugually 13 in number are situated and in which

Species. 1. Didelphis - Virginiana - Virginian Opopum or, the Common Opoficem of North ameri It is not from my own Knowledge That I insect this animal in the present and stather with the hope of exciting in quiry - Sam toto several individuals have been deen on our mesteres from tur, and an The Shores of Lake Eric but having no certain Knowledge of the lack I dave not insist further upon it - It is one of the most remarkable of american Luad ruped, - but its propensitus are so troublesoon to its night bours, that I see no reason why she should be ambitious to claim it as one of our indigionous arreinals. Genus XII Mustela The Weasel Generic Character Six cutting teeth in each jane; - Those of the upper jane vect, distinct, sharp pointed; - those of the lower jane are blunter, and appear as if huddled together, and two of them stand with in the line of the rest_ Two sharp canine with in each jaw one on auch side the incisors. The molar for jans of all the gener exhibit a planful display of destructive with the ad small, oval, flat; Bars small; body much clong ate. legs short; five toes on each foot armin with sharp crooked clave. The whole tribe carrivorous, perocious, in a liable - praying chiefly in the night.

1,5. Species The Fisher 1. Mustela - Canadensis -Mustela Americana The Skunk The Martin Martes Mustela. 3. The Sable Mustela. Latreola The Mink Mustela. Vijon Tus of -The Ferret Mustela. Furo in 6 -Com: Weasel Mustela. Vulgaris The Stoat Mustela monstans 00. The Eremine Mustela Erminea 4 This operification forestents a most formed able formed able list of a most formed able and number of amily - which is most and number to all the stmaller quadrue of the birds, to fish; in short to animal fine every shape the short to animal fine every shape the can be overcome by its members whe can be overcome by its members whe are all procious - event windictions blood shirsty - insatiable. Leaving no thing alive it is in their power to destroy. to des troy -- Long before I became acquainted with any of the works of Dru Gall giste That bur struck, on diperting Evarious quad rupes, and birds, with the wonderful adabtation of certain parts and organs, to certain and particular and, and was surprized to find the The animals that fearne under my notice wen to the reptite tribes. I am not about to enter into any long an animate disquisition on this sub ful on the present occasion but it will be readily believed that with

this preliminary experience, I became 1/4 a forest to a Theory that has met with more ridicule, and slight, than is it musits - I mean the doctrine of Threnology wiand, whilst Sam briefly noticing the Mustela family, I should scarcely be excused were I not to stronger confirmation of the buth of a part of this science, as theory than every individual of the tribe but some undoubted g more than others - Sam sorry I cannot at free sent lay my hand upon the skull of one of the larger species -; but I take the liberty of enclosing, along with this epay, the skull of a Mink, that happens to be within reach, togethere with the skull of a Musik . Hat for the amusement of the Society, and I hope they will arrive in an embroken state ... as I have states, the Mink, in com more with the rest of its tribe, is cruel, vindictive, blood thirsty, and in-satiable, to the last regree. The Mush. A at, on the contrary, is one of the most harmless, and inoffensive, of crea tures, quarrelling and interfering with no one fuding on aquatic respetables and roots, in The most seguestions spot, and chiefly under water. Let the Two skully be placed in close comparison and it will immediately be seen that whilst the organ of destructiveness is larger, in proportion in the Mink, purhaps, than could be Ois covered in any other animal, WANA Marin Matheman Marin and Manual Man Marin Marin al is abso-- Cutity manting in the harmles Musking Mat

I hope the Society will pardon what may be considered a digression, although in some measure connected with our subject. Minth Skins, annually exported from the British Popefrious in North americ. - ca - which logether amount to nearly 60,000 - sufficiently indicate how numer our this animaly are in this part of the world -Some authors and travellers have imagined that the Skunk has only recently made its appearance in the Canadas, but it is undoubtedly one of the abore of and of the abore o = mid able odour which it can emit. at pleasure - the flesh is said to be a palatable and Odicate food. - Thave insorted the Table in our list because some HAMINATELLY & King have bun sent from the extreme posts in the North-West which can only be attributed to that animal They were told by auction at one quinea, each bufore their superior quality and by distinct character was observed by . The herret exists, with us, only in a tamed, or domestic state -- The Stoat is not common. I have sur some four ar five in a will state - but not more - The Ermine which is little more than half its which is much more frequent and is sign, is much more frequent and is found to be dispersed over the whole found to be propries in North america

Its fur is of a silky textive, and of the " most exquisite fineness - as I have me in a ceived a highly armanted saddle, and harse - accontrements, from the interior, that belonged to a Chief of the Tions Nation 14 in part trimmed with the five of this " beautiful little animal - I conclude that it extends over all the plains of the Mississippi, and of the Mississippi. Could they be obtained in sufficients on in to be an article of lucrative commerce 120 Genus XIII. Lutra The Offer Generic Character Like incisor teeth in both jaws - two canine teeth in each jaw and ten grinders, or molar teeth in each jaw The canine teeth much hooked Mead broad and flat, longer somewhat papil:
-low; - Hody long stout and low upon the legs - toes armed with hooked nail, and connected together, ar webbed. The tail not quite so long as the body, but very strong, and depreped at the base Body covered with saft few Carnivorous and amphilians or Species 1 - Lutra - Canadensis - Com! Other 2 - Lubia Marina - Sea Other Many authors have considered our adian Offer as a filinch species Canadian common Other of great Britta brown the

It is certainly often found of a much larger growth in these colonies Than in Europe - and of a duper brown as black, and its fur is of infinitely greater fine ness than the European spe greater fine ness than the European the cimens -; but I cannot find that the specific characters are esculially differ The Sea Offer, which affords the finest and most costly for in the inhole world, is unknower on our northern, and allanlie, coasts; but, on the shores of the Pacific Recan, and within our territories, it is not unfrequent and purnishes the most valuable product, of all that cour try, to our braders genus XIV. Lépus. The Have Belonging & the order Glines Ch aracter of the Order. Having two front leeth in each jaw, - usually way long, somewhat curved and large - but without any carrier with - Their feet are furnished with claws - and they are formed both for running and leaping. Their diet is almost exclusively vyetable - One or two out of the Ten genera which constitute this order, being found to use arrival this order being of distress, or emergency-Generic Character Two fore teeth in each jaw; those in the upper are Couble, The interior ones being smallest - The fore feet have five toes each, and the him feet but four Their hind legs are much longer than the fore legs whener arises their extraording for leaper - Jyo. Speries Varying Have, or 1 Lepus Variabilis common Have of banada -Northwen Hare 2. Lepus. Glacialis Common Mabbit 3 - Lepus. Cuniculus The first of these is the common Have to banada which becomes of an entire white During winter, saving the lips of the care, only, which remain our Ky, or black' - It never burrows, - particularly affects groves of soung pine true, beaver our severest winter, without any other sheller than an all log, as root of a true, and may be Killed at all times. in the Lower, Province har a Knowledge of the second species me are indebted to bapt. Parry's Voyage to the Polar Seas. It is found throughout the extreme northern parts of this comit wild state that burrows in the ground - The common Habbit being here known only in its domestic Genus XV. - Castor The Beaver Generic Character. Two incisor teeth very strong; no carrines; gight molar leth in each fine toes to each foot Eight molar Tail broad, deprepied, naked, scaly Two pouches oddriferous maker, an each containing side the male organs of generation.

Species 71. 1. Castor - Fiber - Common Beaver 12. Castor gigantens Great Beaver 3: bastor, Ondatra. Musk Mat It will be unnecessary to say anything of the common Beaver, in this place. No animal, is better Known; but, une lef some means are taken to preserve the bruid this valuable ereature will toon be last to this country, as it has hun abruary lost to most parts of 6 wrope -Shave been induced to name the great Beaver in this catalogues because there is fritty certain evidence of the exist parts of the interior towards The north west. The hedians of many tribus friendly believe in its existence, and after sent they I will take, ar endeavour to lake, an early of parturity to lay before the society such evidences as are in my population to prove the fact, in the mural while, I will mural remark that the skull which was found on the banks of the Oclawar marly forty years ago - which induce the Naturalist of the United States to create a new genry under the little of asteopera - and which skull is strice presured in the Philadelphia Museum in my mind belørged, to - your all oubt, to this animal which is still in existence in our remote Lakes and Mivers in the interior

The affinities between the Musk-ratand the Beaver, are too close, and striking to allow me to remove it from the Castor hamily, as some modern writers have done - This animal, like The Beaver, is too well known to need any particular comment Jenus XVI. Hystrix The Sorcupine Generic Character Ino fore teeth in each jaw, abliquely divided - no canine teeth - Eight molar with in both jans. The Melad is stout Nose obtuse, thick, and turning - bars short and rounded. Tougue best with spiny scales. The fore feet have the hudiment of a thumb, with an obtrue nail, and four tois armed with powerful claws or nails -; The him fut have five toes armed in like manner - Bady covered with sharp quills - Herbivorous -I pecis 1. Mystrix - Dorsata . american ar Canadian Forcupine I know but of one species, which is common in Water Canada - although it is said that about Mudrou's Bay there is a Sorcupine entirely distinct from the H. Dorsala. but the reports are too vague to be admitted without further evidence. as the H. Dorsala has hun well aucribed I will merely remark that it affords on excellent dish for the table; and that I have myself witnessed the power to throw its quills at bolleasure from the fact a fact qually

genus. XVIII. arctomys Marmot Generic Character Two very strong front teeth in each jane no canine teeth- Eight simple molan Head large, round, but flat above the Body thick and churry, - Eyes large and full - Care short and rounded; hut strong, and for hurrowing; four tots, and the rudinent of a Thumb, before -; and five toes be him. all the toes are armed with strong, compressio, and slightly crooked nails Species arctonys - Monace - Canadian Marmot arctomys. Mifrourieusis - Prairie Marmon arctornys - Empetra - Ruebec Marmot Arctomys - Tridecembineata - Stripa Marmo Arctomys - Franklinii - The Franklin Marmot Arctomys - Michardsonii - Tawny Marmot archonys - Pruinosa - Hoary Marmol arctomy, - Parry is ~ Grey arctic Mar The first of these sueds no comment, it is common and well Known over all the provinces - by the name of Wood-church or quound thog - When fat, it makes a very totale able dish for the table. 2 m Species is Known almost Throughout. The plains of the interior by the familias name of Prairie Dog. so hervis and black durig maly it, in this Travels - It is a lively, sociable, animal, apociating in large communities who are called " prairie Dog Villages" by the Munters

74. Ind Species . Luche Marmot, was long ago doubt of its identity - that is, with it is further and better Odermine, my present of mion is, that the le. Monare. The le. Empotra and the a. Priningsa are all of the we that the common Marmot of the a to size and colour. I happened to point fruinosa fell into my hands, and was conjuntulating my, elf on the dis eavery of a new stoccies. The hedicus smiled, and remarker that it was not uniquely of the common species of the common specie I timed the species suparate, out of defenerce to respectable authors, until the matter can be fully determined, which I hope shortly to be able to do myself-4 th Species. This name Tridecemlinea. the was, I believe, given to this beau-liful and interesting species by som Mitchell of New york and with great propriety - although he considered the arienal as belonging to The gences Sciences, hather Than the arctomys-Perhaps he has had reason to change that opinion - as the subject became the the Known - This species inhabits the northern parts of & and a and the great plains and The banks of the rivers, that intersect them as for as the Stocky Mountains bure - rowing in the ground, and more as. - courding trues - It is distinguished by being of a dup chus nut colour, striped with six white lines, alternating with an equal number of long itudinal rows of white

The seth of 6th Species are justly named after the two celebrated the avellers tapen Franklin, and De Kichardson. They are well des cribés in the Linn: " Transactions the northern parts of our territory on This continent yth Species - I have already stated my opi · mion of this of secies - a description of it will be found in Permant, I melin, Shaw and Schreber - Nevertheleft I must consider it a more variety of the common Species of the Species . The authority for the specific Ochlinction of the a Parryin is too good for Michards out to be Doubled - The last not fully delir mind until late, fears - It has are extensive range in the northern parts of this continent Genus XVIII. Sciurus. * Squirrel Generic Character It has two fore with in each jaw, the Inferior ones shaped like wedges, and the inferior ones sharp pointed. Some of the inferior ones sharp with hairy membrans, by extended from the fore to the hind legs, by which they are enabled to bear themselvy which they are enabled to float, as it were, up in the air, and to float, as it were from true to tree. This gener may, then from true to tree. This general may, then for , with great propriets be separated into thos divisions. Those with the Theying Iquirule; and those without it, Science Scandentes, or Climbing Squirrely * Belonging to the arow glines already ch anasteries de

76. Species Large Gray Squirre 1. Sawing Cinerus -Black Squirel to 2. Seivers Niger - Black Squivelle 3. Sciences Magnicandalus & Large - tailes 2. Sciurus Squiruel 4. Leiners - Ruddrivittatus Little I triped · Squirrel. 5 Scierus Lateralis Line - backed ! h. Sciences - Grammures hime tailed og: 7. Sciences. Hudsonius Com! american Ground Tquirue O. Scierces Striates -9. Seivres. Ludovicianus Broad tailed Squiruel 10 Scium Volucella armerican Flying Tquirel In so vait a region as North America where the forests are almost of interminables extent and where there is almost every popible variety of situation it where early imagines that Squiruels must exist in great and such will be found to be the case. The foregoing shecification of the Species historito Discovered in the British Popepions, on this conti ment, comprehend, within two as Three species, all that are Known on The whole continuent of North america

1. S. & inercus. This is remarkable for its ni - city in the choice of situations. It locale - ties are limited to particular difficiety and it has to gual are antipathy & the immediate neighbourhood of the smaller oficies that the moment the Catter become as summerous as theres does; ain, as they imagine encreach on Their box - dery they abandon the settlement and remove to other quarters - I do not know in that they have were here seem in Lower Canada and in upper Canada They are confined to the Loudon and Mrs tun District - with the exception of a very few in the north fide fore District - On the north fide fore Districts - On the north fide of Lake Outario they are unknown They are usually found in companie only are is a sprard in a twoop and much are excuding y found much any at one so that it was found much any at one time to offer a fremium of 32 fehred time to offer a fraction for their destruct on the winited states for their destruct on the time of the conscious to who are extent these anciends had under the general years a who are extent or generally ancient of the general of the constitution o in a single year (1749)- 1,200,000 were destroyed and the seme of Lovo Stuling - man paid for their de for their de truckion on all south on the said man south and man south of fruit - Their flesh is delicated kinds of fruit - Their flesh is delicated and a choice morsel on the table-2. L. Nigor - Black Squirvel - almos. every where abounds in the lepper Province but is not to common in the Lower Grovina of Canada There is a singular antipathy existing between this species and the commis-

whenever they meet, and what is extraordi. = mary, the little ted Iquirel, though not more than half the size of the Black! 3. S. Maj nicandatus & Large tailed . Squirel It must not be unders tood that this is the of beginner because it has the same specific name, which for more appropriate to the animal the far more claim for starth america. The tail being larger, and more voluminous, in frosportion to the size of the body-in the sproportion, than in the beylonese, species men - Total length of the american species is about one foot, seven inches, and a half - of which the tail, alone, common on the banks of all the great rivers of the places, as high as the Sas. Katchawarin - and perhaps higher 14. L. Luadriv Matus - Little Striped Squirel a beautiful species - Distinguished by four while lines whom its head - on a ground colour of puring ineous brown . It is a small species - not excuding, in its total length, including the tail, sweet inches and a quarter - It is a native of the Rocky Mountains 5. S. Lateralis. Line-backie Scurrel. This is also a native of the Rocky Moun. tains - It is a ground Squirrel, bearing tome resemblance to the common opening (Striation) but is larger - and undoubtedy distinct -1. L. Grammurus . hine-tailes. Squirvel another inhabitant of the Rocky Morine, Theirs where it I wells in holes or crevies of the works and feels on the but of the structed shruly which grow there. The feel is very course and it is cremarkable for having 3 blackt

1. S. Wudsonius. Common american Squirel This animal is unwirsally spread own all the United State, and the British Popefrious in North america, and is too well known to require any particular notice here 1. S. Strialus - Common Ground Squirvel) The same remarks as have been made on the precuoing, apply to this, species a 9. L. Ludovicianing. Broad-tailed-Squirrel-This animal sums peculiar & the river, which or nather & the banks of the rivers which fall into Lake Winnify. The upper party of are of a Dark grey, and the under party of are of a reddish-brown colour with tail is longer than the body and is remarkable for it I breadth . 10 - I. Nolucellus. Flying Squirrel - This
interesting and beautiful creature is mus more phequent in the lepper, Than in the Lower, Frovince, but are all is, indeed the season and run aims all the season. about its usual haunts - hibernating in old trus - It loves to sport an The wing anound an afed oak ar other the while the provided on the sound the sound is brilliants making the while moon is brilliants. a dort of whistling ar chiefing noise (000 Genus XIX. - Gerbillus derboa. Generic Character! Two incisor and six molar teeth in each j'aw; Head clougated; - Chulls projectins; for feet wery shart I armed with claws - the hend feet very long-terminated likewise with clawed toes - Tail very long - and more as less hairy

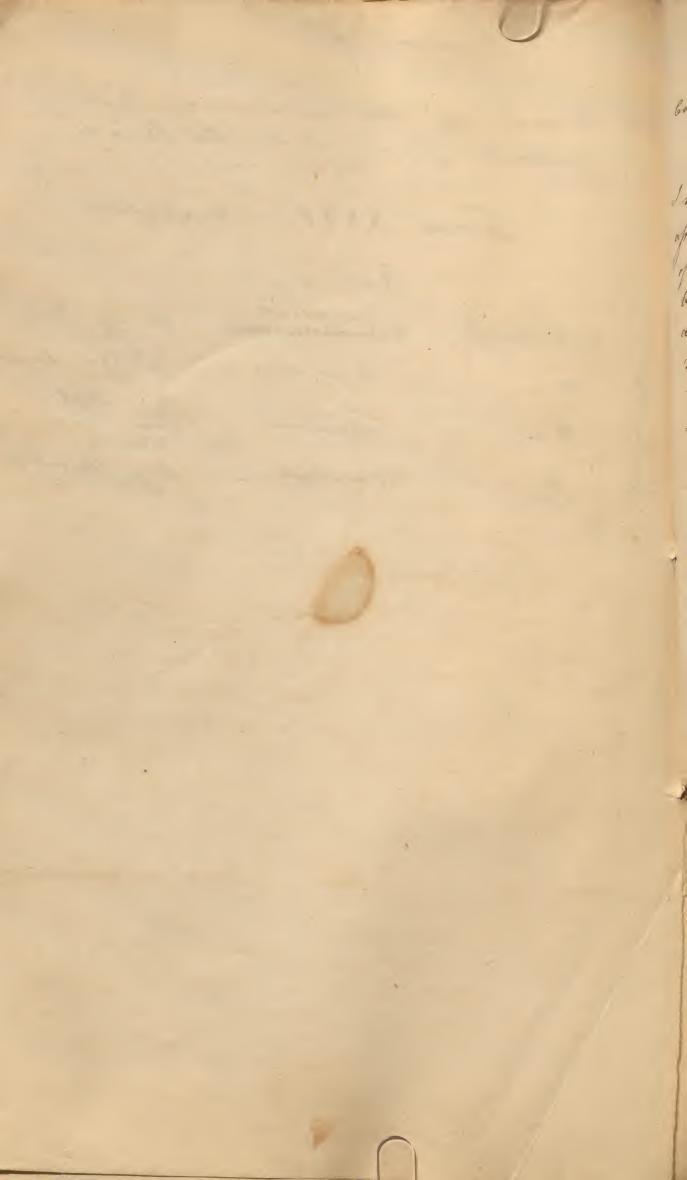
1. Gorbillus. Canadensis - { Canadian ferboa. Jumping Mouse banada 2. Gorbilles Labradorius. Labradorian Serboa The first species is well known having house house fine functions of 6 an ada -; and, sometimes as the Face Mouse - breame of its colour - It is com mon throughout wood, and fields of the Brilish american Provinces -The second species is considerably larger Than the first, of a darker colour, and not so extensively spread; though it is found in all the Brilish Provinces Genus. XX. Mus. The Rat Generic Character Upper fore teeth wedge-shaped; - Three and sometimes only two grinders in each jaw, and the clavicles, or collar bones, are complete - I nout narrow, and clongated Take feet have four claved toes and a wart having an obtine nail, in place of or Thumb - Hind feet have five clawed toes. Tail long, taporing, scaly, naked -Black Mat Malles _ Mus -Norway Mat Muy -Decumany. Blue Kat Cinerus -Mus -Com." Field Mouse Mus - Tylvaticus -Theer Mouse ban ad em is Muy -

Blue, we Marsh Mouse aqualicus a be eller -Com! House Mouse Donustiens y- Mus in This is one of the genera in which nem discoveries may be expected. The forest of Canada abound with mice. The Black that is known only in a few solitary places as it is fast disappearing before the large free free sorry sorry to say is rapidly spreading over the sorry to say is rapidly spreading over the country. It has arrived as far evert the country. It has arrived as far evert as Kingston and Nigara; carnied by repel, get surrounded the morth shore of lake The Blue, or binereous Hat is a newly dis covered and undescribed species, inhabiting the eastern side of the Rocky Mountains, Out ario __ at their base. It is about the size of the Black Hab- with large membranary ears and of a fine cinerious colour much in clining to blue It is an aboriginal of the country - and I believe peculiar to it The Sylvations as hild Mouse, every where abounds. The fields and woods are literally and ever ly them-The Species here termed Canadensis is nor - des empt - which is a little remarkable com identify how numerous and destructed it in England, in it is -Lander him, several years ago and sup - buse it had been carried by ships to Liverpool. It abruids in Upper Canada and is an absolute best to farmen de: stroying an incredible quantity of pota - toes, carrots, parmips, turnito, de- in short any tend evers, Kind of roots, and

fruits. In sign it is lecture a mouse and a rat - of a dark, brownish, gray - with short legs, short rounded eurs, a large head and a short tail. Living in fields in the summer and entering into vaults, and cellar, por The Mus aquations is also a new spe cies discovered by myself in the great whather in upper banada about to years ago whilst wading after water-fowl wine that time I have our it in other marshy House of a fine bluish grey, or cinere our colours, with large, nakes, earn-It is ion of the nests of the reed- Wren-Jenus XXI. Sores Shrew Jennie Character Two invisors in each jave - Six carries in the upper jane with eight molars; and In mollar teeth in the lower jane_ Head long, nose elong ale into a sort of snout and moveable - ears short and round a - eyer small - tail long -Species -1. Sorea - Constriction Thick - Tailed Shrew 2. Sores aqualins Water Shrew 3. Sares - araneus - Fotid Shrew 4 - Janes - Parver Little Shrew The whole of these are found in Upper banada - but how far they extend I do not get Know.

Senus XXII. Talpa-Mole Seneric Character Ino incisar beth, 6 carring, and 6 molars in the upper jaw; - Four inesay - 6 canines and 6 molars in the lower jaw - Inout much elong aled, and terminating in a soul of cartilaginous button byen very small tearcely discernable - External ears wanting Fut short and Sentadactyle; nails, long, flas and ad af the for digging -Species Canadian, ar b an ademii irradiated Mole 1. Talpa North american Continent and is sometime of a pare while. It is unknown Division III Or, Primated, animals - living chiefly in water, and preying partly on fish and hartly on herbage 655 Genus. XXIII. Trichechus Morse Two vicisors in the upper jaw and 2 canine and Ten Molars; - no incisors - no canines and ten molary in the emder jaw. The Two superior canines are in fact endemor tusks longer than the head, which is round and outsally was suprefix. The snout appears of swollen 14-Tail very short, auterior fut an fine like those of the deal, with five toes around with very sharp nails - Hind feet in the I ame direction as the body with five toes united by a membrane - Body large and clony ated like That of a Species The Morse 1. Trichechus Nosmarus I his huge arrival sometimes attains the length of 10 feet It was formuly common in the fulph of It Lawrence It is now rare in that quarter but is the sufficiently common farther to the North w Thoca Senus XXIV Jeac Sea hion bristata_ Phoea -Common Sea Vilulina 2 Phoca Groenlandira - Grunt and Seal 7 Phoca.

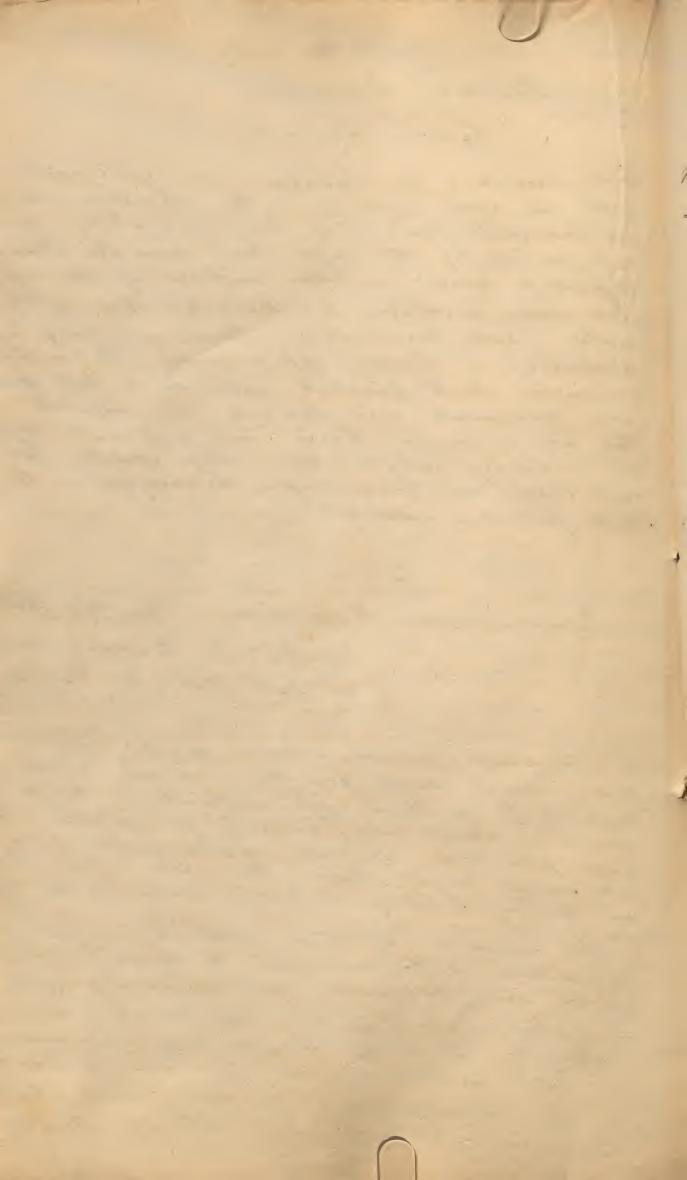
Division & Mingo, or the connecting birth between Luadrupeds and beinds genus XXVI Vesperlellis Bat Hoary Bal, Primos us 1. Vespertillis. Large - Header Ar ger alus -Com: Bat 2. v. 3 - Um Merinen Hig flying Bas altivolary -4- 0---Oupertellio-Generic Character Teeth erect, sharp pointed, approximated; — Hands palmated; with a membrane sure exounding the bods, and enabling the ani. mal to fly; Tail long, and comprised in the interpensaral membrane; - how soft, and thick - Nachurnal - Inschoolour Milurnaling in caves and old trus; hanging by the hind claurs, with the had downward and the whole body enveloped in the wing member and -



Notes Containing some omishions and remarks I would not have it unders lood that I aport the true new Deer of the North of burghe is not found in america; but, That it is not found to low down as any of our sullement, south of Medson's Bay; and, further, that the some ties bariboo - although bearing some ties - although the Hein - dur is a dislind species - I am not without suspicions that the animal I have Named the Lifer Cariboo and the Voiginian Deer, are mere varieties of the dame speciel-- Sought to have qualified my after - tion respecting the Moose - Dur Som what more than I have down. They are found and killed every winter in greater are less remibers, in the attawa District - but purther to the my tward they are certainly rare 65 The Morse Jone particular, respecting the closer-the found in Hakluyt's voyages - he the see 1591 Fifteen Hierdred were Killed by In all bark at Ramea -! The common deal sometimes as cur Jeals, -The It Lawrence and they have be more than once taken in Lake Gule

The larger Kinds especially the Phocas Cristata, and Barbata, and Urgina - are found only in our northern seas ... I have prequently caught the common to Bat of England in this country - also the Long-ear'd species. and The altivolaus - or "
Migh. flying Bat - Show not set met "
with the Morse-shoe. Bat; - Though I have the
term toto of a variety which I take to be of this species_ The U. Primosus - is not common in the settled parts of banada - but it is more frequent in the interior, and desarts Shaw never sur more than one to secimen of the Hed Bat ar Unpertities Jufus - It was flying abroad at noon day on the Banks of the bon, mar york, in the month of actober; and, at pirst sight, I could not conceine what it was . I was , at the time, in pursuit of Wood cocks, and shot it an the wing It is a name species in banada - atthough said & tu common in Semsylvania 0 Jenus Cmitted I find that I have omitted our of our most curious animals in its proper place . It we The Muy Bursavius of himaus and the My Saccatus of Mitchelle - Its peculiardus, however, both as to form and habits, chart, without to a generic, as well as to a spot cific distinction, uniting, as it does, some of the characteristics of the Mansters. The Moles and the Yats - get differing from them all.

Jenus Isendostoma Souched Burrower Generic Character Two imison - no canines and eight molar latte in each jaw -; The incipous, which are transacted; and very long and strong are alway, not covered by the lips, but remain alway, not covered by the lips, but remain alway, exposed to view; - The molars of the up. for jun incline backwards, there of the lower jaw, forwards: He aid and body large broducing a clumy appear and It has hos conormous chuk fouched extensor to, but ofen they are concave, hairy, and separated by the ordinary integenments Light short - fore the large and formed for blurrowing: The him fut are small 1. Pseudos loura Bursarius . Souched Bur rower, or banada Mat or Sand Mat, or Souche Of a reddish brown colour, with white feet - large check frusher, covered with hair, both within and without - byes hair, both within and without fore black -; short ears; scarcely perceptible; -!
black -; short ears; scarcely perceptible; -!
have five toed, middle mail of the face fail she have five longer than the rest. Jail she let much longer than the rest and the ty
and twistry hairy at base makes at the ty This animal burrows with a degree of the west of the Moles and Marmots and cannot early be taken It is indeed very rarely seems although it is by no means uncomme in the sandy parts of the great pla stretching towards the Rocky Mon tarin



Recapilualation By the preceding catalogue it will be seen that the Bristish North american Soforfions afford more than one half of all the Quadrupeds which Buffon allows to exist on the entire face of The globe - It is true many species here set down were withware to that disting wished Naturalist; and, it is equally true, that many more remain to be discovered :- This remark is made not do much for the qualification of our of exciting shite further inquiry. - Upon the whole, we may congrates - late own does that the ferocious as may bear no comparison, either as mumbers are formed ability, with those that may be rendered, of utility to man North america presents a wide field for observation - re - narch, and experiment, and it is highly gradifying to reflect on what she up the accomplished by the worthours of two such respectable establishments, as the Wistorical city of Lucture; and, the Nature Wistory-Society of Montreal Thise institutions discover the than and the best wishes of the bane dian Public -"Esto Perpetua"!

the same and the same and the ----The second secon

